

I Claim:

1. A collapsible mixing wand comprising:

an elongate shaft having a longitudinal axis therealong, a free end and a mixer attachment end;

5 a mixer assembly attached to said elongate shaft at the mixer attachment end thereof by a fixing mechanism, for rotation relative to said longitudinal axis;

wherein, when said elongate shaft is rotated in a first direction, said mixer assembly rotates to an extended condition; and when said elongate shaft rotates in a second direction, said mixer assembly rotates to a substantially collapsed condition.

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2. The collapsible mixing wand of claim 1 wherein said mixing assembly includes a least two elongate blades having a twist intermediate the ends thereof, disposed on opposing sides of said mixer attachment end.

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3. The collapsible mixing wand of claim 1 wherein said mixing assembly includes a polymer blade set having plural, integrally formed blades, wherein each blade has a twist intermediate an attachment end which is attached to a blade set hub and a free end.

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4. The collapsible mixing wand of claim 1 which further includes a mixer assembly stop for limiting rotation of said mixer assembly relative to said longitudinal axis;

5. The collapsible mixing wand of claim 1 wherein said mixing assembly includes a least two elongate blades having a twist intermediate the ends thereof, disposed on opposing sides of said mixer attachment end and a second set of blades disposed intermediate the ends said elongate shaft.

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6. The collapsible mixing wand of claim 1 wherein said elongate shaft includes a reduced diameter portion at the free end thereof for attachment of a power head.

7. The collapsible mixing wand of claim 1 wherein said mixing assembly is sized with a diameter to be clearance fittable through an industry standard pour spout of a mixing container.

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8. A collapsible mixing wand comprising:  
an elongate shaft having a longitudinal axis therealong, a free end and a mixer attachment end;

a mixer assembly attached to said elongate shaft at the mixer attachment end thereof by a fixing mechanism, for rotation relative to said longitudinal axis, wherein said mixing assembly includes a least two elongate blades having a twist intermediate the ends thereof, disposed on opposing sides of said mixer attachment end;

wherein, when said elongate shaft is rotated in a first direction, said mixer assembly rotates to an extended condition; and when said elongate shaft rotates in a second direction, said mixer assembly rotates to a substantially collapsed condition.

9. The collapsible mixing wand of claim 8 which further includes a mixer assembly stop for limiting rotation of said mixer assembly relative to said longitudinal axis;

10. The collapsible mixing wand of claim 8 wherein said mixing assembly includes a least two elongate blades having a twist intermediate the ends thereof, disposed on opposing sides of said mixer attachment end and a second set of blades disposed intermediate the ends said elongate shaft.

11. The collapsible mixing wand of claim 8 wherein said elongate shaft includes a reduced diameter portion at the free end thereof for attachment of a power head.

12. The collapsible mixing wand of claim 8 wherein said mixing assembly is sized with a diameter to be clearance fittable through an industry standard pour spout of a mixing container.

13. A collapsible mixing wand for mixing material in a container, the container having a lid with an industry standard pour spout, comprising:

an elongate shaft having a longitudinal axis therealong, a free end having a reduced diameter portion for attachment of a power head, and a mixer attachment end;

5 a mixer assembly attached to said elongate shaft at the mixer attachment end thereof by a fixing mechanism, for rotation relative to said longitudinal axis, and sized to clearance fit through an industry standard pour spout when in a collapsed condition;

wherein, when said elongate shaft is rotated in a first direction, said mixer assembly rotates to an extended condition and exerts a downward force on the material in the container  
10 located proximal to said mixing assembly; and when said elongate shaft rotates in a second direction, said mixer assembly rotates to a substantially collapsed condition.

14 The collapsible mixing wand of claim 13 wherein said mixing assembly includes a least two elongate blades having a twist intermediate the ends thereof, disposed on opposing sides  
15 of said mixer attachment end.

15. The collapsible mixing wand of claim 13 wherein said mixing assembly includes a polymer blade set having plural, integrally formed blades, wherein each blade has a twist intermediate an attachment end which is attached to a blade set hub and a free end.

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16. The collapsible mixing wand of claim 13 which further includes a mixer assembly stop for limiting rotation of said mixer assembly relative to said longitudinal axis;

17. The collapsible mixing wand of claim 13 wherein said mixing assembly includes a  
5 least two elongate blades having a twist intermediate the ends thereof, disposed on opposing sides of said mixer attachment end and a second set of blades disposed intermediate the ends said elongate shaft.